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(71) Applicant (for all designated States except US): **BAYER
HEALTHCARE AG** [DE/DE]; 51368 Leverkusen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GOLZ, Stefan**
[DE/DE]; Bückmannsmühle 46, 45326 Essen (DE).
BRÜGGEMEIER, Ulf [DE/DE]; Leysiefen 20, 42799
Leichlingen (DE). **GEERTS, Andreas** [DE/DE]; Schuck-
ertstr. 29, 42113 Wuppertal (DE).

(74) Common Representative: **BAYER HEALTHCARE
AG**; Law and Patents, Patents and Licensing, 51368
Leverkusen (DE).

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(54) Title: **DIAGNOSTICS AND THERAPEUTICS FOR DISEASES ASSOCIATED WITH G-PROTEIN COUPLED RECEPTOR ADIPOR2 (ADIPOR2)**

(57) Abstract: The invention provides a human AdipoR2 which is associated with the cardiovascular diseases, dermatological diseases, gastroenterological diseases, cancer, hematological diseases, respiratory diseases, inflammation, neurological diseases, urological diseases. The invention also provides assays for the identification of compounds useful in the treatment or prevention of cardiovascular diseases, dermatological diseases, gastroenterological diseases, cancer, hematological diseases, respiratory diseases, inflammation, neurological diseases, urological diseases. The invention also features compounds which bind to and/or activate or inhibit the activity of AdipoR2 as well as pharmaceutical compositions comprising such compounds.

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